



ERTS 069

# LONG ISLAND UNIVERSITY

SCIENCE ENGINEERING RESEARCH GROUP

E7.3 10738

CR-133082

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ADDRESS REPLY TO:  
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GREENVALE, NEW YORK 11548

15 April 1973

National Aeronautics and Space Administration  
Goddard Space Flight Center  
Greenbelt, Maryland 20771

Gentlemen:

RE: Type I Progress Report for the Period  
15 February 1973 to 15 April 1973

This document is submitted herewith in reference to Contract No.  
NAS5-21793 and includes the following:

- A) Title of the Investigation: In Situ Spectroradiometric  
Quantification of ERTS Data
- B) GSFC Identification Number: UN 295 (Dr. Edward Yost)
- C) Phase III activity on this contract has started from April.  
Frame No. 1210-17282 photographed by ERTS on 18 Feb. 1973  
over Arizona test site was analyzed in detail by using multi-  
spectral additive color techniques. Color differences were  
noticed in Willcox Playa as compared to other frames of  
Willcox Playa analyzed previously.
- D) The imagery supplied by the Aircraft Program in support of  
this investigation is adequate for the purposes of this  
study. Aircraft imagery taken over the Arizona test site  
on 19 October 1971 in multispectral format is not usable  
due to bad vignetting and overexposure of the red record  
of the frame. Imagery taken on 24 Feb. 1972 is being used  
to correlate the in situ ground spectra and the ERTS imagery  
over the Arizona test site.

N73-26344

Unclas  
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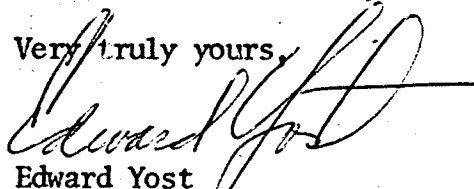
CSSL 05B G3/13

(E73-10738) IN SITU SPECTRORADIOMETRIC  
QUANTIFICATION OF ERTS DATA Progress  
Report, 15 Feb. 1973 - 15 Apr. 1973  
(Long Island Univ.) 2 p HC \$3.00

ERTS 069 Type I Progress Report continued ...

- E) Image enhancement techniques will be employed for continuing data reduction of the MSS imagery in the next reporting interval in conjunction with the conventional techniques.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Edward Yost', with a long horizontal stroke extending to the right.

Edward Yost  
Professor and Director